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01-24-02

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s)	Joseph L. Merenda	Examiner:	Unassigned
Serial No.:	09/982,943	Group Art Unit:	2681
Confirmation No:	8245	Docket:	238-47
Filed:	October 18, 2001	Dated:	January 3, 2002
For:	EVEN HARMONIC MIXER WITH HIGH-INPUT, THIRD- ORDER INTERCEPT POINT		

Commissioner for Patents
Washington, DC 20231

*I hereby certify this correspondence is being deposited
with the United States Postal Service as First Class
Mail, postpaid in an envelope, addressed to:
Commissioner for Patents, Washington, D.C. 20231
On January 3, 2002*

Signature: _____

Joyce Peterson

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In order to fulfill the requirements of candor and good faith set forth in 37 C.F.R.
§ 1.56, Applicant submits herewith the following Information Disclosure Statement in
accordance with the provisions of 37 C.F.R. § 1.97 and § 1.98.

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UNITED STATES PATENTS

<u>PATENTEE</u>	<u>PATENT NO.</u>	<u>ISSUE DATE</u>
Bossard	4,747,160	May 24, 1988
Kay	US 6,229,395 B1	May 8, 2001

NON-PATENT PUBLICATIONS

1. J. L. Merenda, D. Neuf, and P. Piro, "4 to 40 GHZ Even Harmonic Schottky Mixer", IEEE MTT-S Digest, pp. 695-698 (1988).
2. Technical Data Sheet (HSCH-9301 & HSCH-9351), "GaAs Beam Lead Schottky Barrier Ring and Bridge Diodes", Agilent Technologies (1999).
3. Technical Data Sheet (HMC259), "GaAs MMIC Sub-Harmonically Pumped Mixer 28-40 GHz", Hittite Microwave Corporation, pp.4-112 - 4-117 (February 2001).
4. Technical Data Sheet (HMC330), "GaAs MMIC Sub-Harmonically Pumped Mixer 25-40 GHz", Hittite Microwave Corporation, pp.4-204 - 4-209 (February 2001).
5. M. Cohn, J. E. Degenford, and B. A. Newman, "Harmonic Mixing with an Anti-Parallel Diode Pair", IEEE S-MITT International Microwave Symposium Digest, pp.171-172 (June 1974).
6. M. V. Schneider, and W.W. Snell, Jr., "Harmonically Pumped Stripline Down-Converter", IEEE Transactions on Microwave Theory and Techniques, Vol. MTT-23, No. 3, pp.271-275 (March 1975).
7. D. Neuf, "Even Harmonic Mixers Offer Unique Features for Millimeter Bands, Microwave System News, pp. 103-119 (1982).

A copy of the references set forth above has been submitted herewith for the convenience of the Examiner, and a separate listing of the same has been set forth on Form PTO-1449, which is also submitted herewith. Accordingly, in view of the present submission, it is now believed that the present application is in all respects complete and in condition for examination on the merits.

If the Examiner has any questions or comments relating to the present application, he or she is respectfully invited to contact Applicant's attorney at the telephone number provided below.

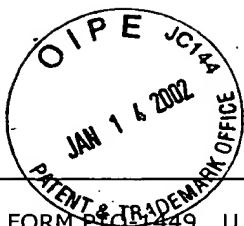
Respectfully submitted,



Rod S. Turner
Registration No.: 38,639
Attorney for Applicant

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(516) 822-3550
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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 238-47	SERIAL NO. 09/982,943
	APPLICANT Joseph L. Merenda	CONFIRMATION NO. 8245
	FILING DATE October 18, 2001	GROUP 2681

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	4,747,160	05/24/88	Bossard			
	6,229,395	05/08/01	Kay			

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		J.L. Meranda, D. Neuf, and P. Piro, "4 to 40 GHz Even Harmonic Schottky Mixer", <u>IEEE MTT-S Digest</u> , pp. 695-698 (1988).
		Technical Data Sheet (HSCH-9301 & HSCH-9351), "GaAs Beam Lead Schottky Barrier Ring and Bridge Diodes", <u>Arilent Technologies</u> (1999).
		Technical Data Sheet (HMC259), "GaAs MMIC Sub-Harmonically Pumped Mixer 28-40 GHz", <u>Hittite Microwave Corporation</u> , pp. 4-112 - 4-117 (February 2001).
		Technical Data Sheet (HMC330), GaAs MMIC Sub-Harmonically Pumped Mixer 25-40 GHz", <u>Hittite Microwave Corporation</u> , pp. 4-204 - 4-209 (February 2001)
		M. Cohn, J.E. Degenford, and B.A. Newman, "Harmonic Mixing with an Anti-Parallel Diode Pair", <u>IEEE S-MITT International Microwave Symposium Digest</u> , pp. 171-172 (June 1974).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Rev. 2-32) PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
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STATEMENT BY APPLICANTAPPLICANT
Joseph L. MerendaCONFIRMATION NO.
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(Use several sheets if necessary)

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M.V. Schneider and W.W. Snell, Jr., "Harmonically Pumped Stripline Down-Converter", IEEE Transactions on Microwave Theory and Techniques, Vol. MTT-23, No. 3, pp. 271-275 (March 1975).

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